Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/24/2020 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125077	0	2.25	125122	2.24
Blue	F	SSC	125000	124803	-1	1.57	125607	1.56
Blue	E	FITC	16433	15874	-4	2.82	346	20.27
Blue	D	PE	27595	27180	-2	1.97	593	15.16
Blue	B	PerCP-Cy5-5	43183	43186	0	3.67	1161	20.40
Blue	A	PE-Cy7	31943	32073	0	6.13	614	40.37
Red	C	APC	42819	42673	-1	2.43	1512	11.91
Red	A	APC-Cy7	31261	30399	-3	2.29	804	11.84
Violet	B	V450	6527	6234	-5	4.92	349	13.79
Violet	A	V500	24533	23707	-4	4.62	552	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17718	12.37	618	18	N/A	N/A	Pass
Blue	F	SSC	56759	1.15	559	11	N/A	N/A	Pass
Blue	E	FITC	63	62.06	543	4	0.0188	66	Pass
Blue	D	PE	124	49.42	541	7	0.1420	219	Pass
Blue	B	PerCP-Cy5-5	214	49.08	656	14	0.0089	32	Pass
Blue	A	PE-Cy7	112	101.44	704	15	0.0112	17	Pass
Red	C	APC	358	24.63	581	-2	0.0252	124	Pass
Red	A	APC-Cy7	176	29.05	560	-3	0.0057	1138	Pass
Violet	B	V450	53	61.54	448	-7	0.0472	2038	Pass
Violet	A	V500	82	34.78	460	-7	0.0232	901	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.42	-31.91	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	15.97	13.60 - 20.40	N/A	N/A	29.43	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10076

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments